

How the Fertilizer Industry Can Help

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CF Industries Holdings, Inc.



Nutrition































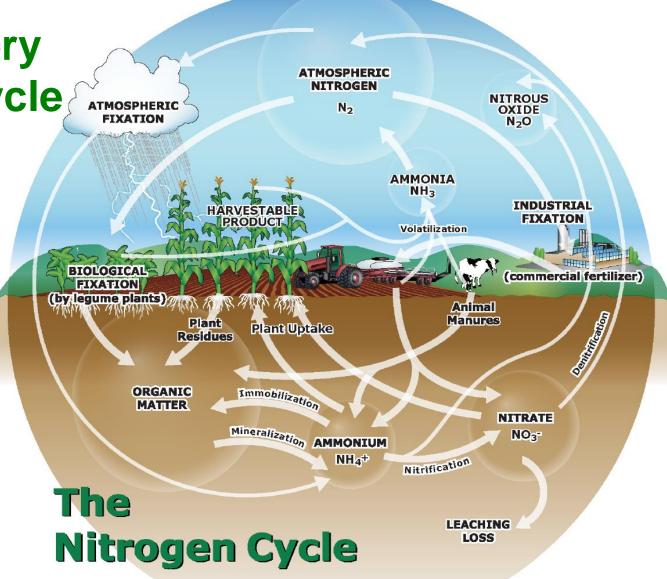
International
Plant Nutrition
Institute is
supported by
leading fertilizer
manufacturers.

Its mission is to promote scientific information on responsible management of plant nutrition.

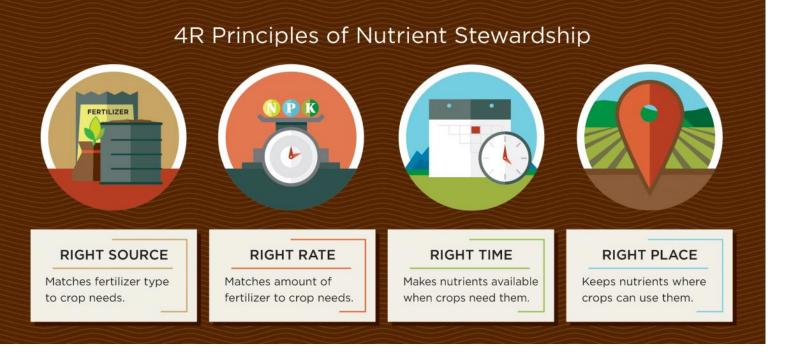




This is a very complex cycle to manage







4R Nutrient Stewardship

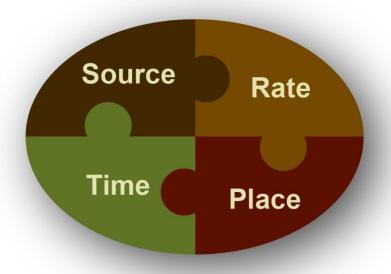


The 4Rs promote best management practices (BMPs) to achieve cropping system goals while minimizing field nutrient loss and maximizing crop uptake.





Illinois Agricultural Industry Group





Ohio Fertilizer

Dealer Certification



Mid-West Industry/
University Partnership

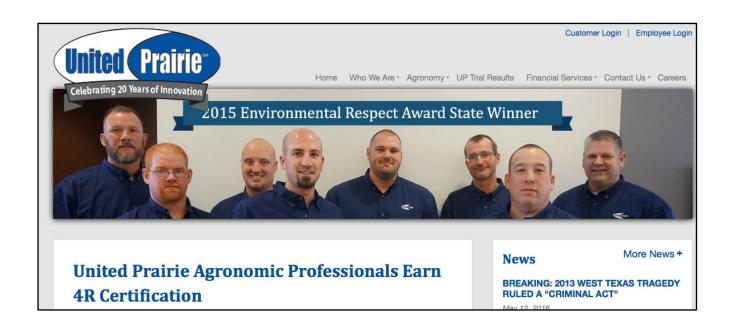




Certified Crop Adviser Specialties

AL HOUND TO VICE

- 4R Nutrient Management Specialist
 - Performance objectives effective May 2015
 - Currently 100 certified 4R Nutrient Management Specialists





Experiences from Europe:

Germany:

The entire country is a vulnerable zone, implementing drinking water protection and "good agricultural practices"

Upper surplus N limit allowed based on a farm balance

20-year experience has found gradual acceptance and improvement

Nutrient balances: Regional aspects

